

Title (en)  
INRUSH CURRENT LIMITING SYSTEM AND METHOD

Title (de)  
EINSCHALTSTROMBEGRENZUNGSSYSTEM UND VERFAHREN

Title (fr)  
SYSTÈME ET PROCÉDÉ DE LIMITATION DE COURANT D'APPEL

Publication  
**EP 3402072 B1 20210630 (EN)**

Application  
**EP 17169985 A 20170508**

Priority  
EP 17169985 A 20170508

Abstract (en)  
[origin: EP3402072A1] A solid state power controller, SSPC, having an input to receive supply current and an output for providing output current to a load in response to connection to the power supply, the solid state power controller further comprising at least one solid state switch and a controller to limit the power dissipated in the solid state power switch based on a measured voltage across the solid state switch and a predetermined power dissipation threshold for the SSPC to adjust the output current or voltage control signal of the solid state switch such that the actual power dissipation of the SSPC does not exceed the threshold.

IPC 8 full level  
**H03K 17/082** (2006.01); **H03K 17/16** (2006.01)

CPC (source: EP US)  
**G05F 1/66** (2013.01 - EP US); **H02H 1/0092** (2013.01 - US); **H02H 9/002** (2013.01 - US); **H02H 9/02** (2013.01 - US);  
**H03K 17/0822** (2013.01 - EP US); **H03K 17/166** (2013.01 - EP US); **H03K 2217/0027** (2013.01 - EP US); **H03K 2217/0063** (2013.01 - EP US)

Cited by  
EP4026212A4; DE102019131192A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3402072 A1 20181114**; **EP 3402072 B1 20210630**; US 10910827 B2 20210202; US 2018323608 A1 20181108

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**EP 17169985 A 20170508**; US 201815915151 A 20180308